RAW SEQUENCE LISTING          DATE: 07/16/2001
PATENT APPLICATION:   **US/09/893,321**     TIME: 14:12:00

Input Set : **A:\LEX-0195-USA SEQLIST.txt**
Output Set: **N:\CRF3\07152001\I893321.raw**

**ENTERED**

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 4 <110> APPLICANT: Walke, D. Wade
 5         Friddle, Carl Johan
 6         Mathur, Brian
 7         Turner, C. Alexander Jr.
 9 <120> TITLE OF INVENTION: Novel Human GABA Receptors and
10         Polynucleotides Encoding the Same
13 <130> FILE REFERENCE: LEX-0195-USA
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C--> 15 **<140> CURRENT APPLICATION NUMBER: US/09/893,321**
C--> 15 **<141> CURRENT FILING DATE: 2001-06-27**
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15 <150> PRIOR APPLICATION NUMBER: US 60/214,083
16 <151> PRIOR FILING DATE: 2000-06-27
18 <160> NUMBER OF SEQ ID NOS: 5
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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23 <211> LENGTH: 1398
24 <212> TYPE: DNA
25 <213> ORGANISM: homo sapiens
27 <400> SEQUENCE: 1
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30 gatgaagatg atgaggattt aacggtgaac aaaacctggg tcttggcccc aaaaattcat   180
31 gaaggagata tcacacaaat tctgaattca ttgcttcaag gctatgacaa taaacttcgt   240
32 ccagatatag gagtgaggcc cacrgtaatt gaaactgatg tttatgtaaa cagcattgga   300
33 ccagttgatc caattaatat ggaatataca atagatataa ttttttgccca aacctggttt   360
34 gacagtcgtt taaaattcaa tagtaccatg aaagtgctta tgcttaacag taatatggtt   420
35 ggaaaaattt ggattcctga cactttcttc agaaactcaa gaaaatctga tgctcactgg   480
36 ataacaactc ctaatcgtct gcttcgaatt tggaatgatg gacgagttct gtatactcta   540
37 agattgacaa ttaatgcaga atgttatctt cagcttcata actttcccat ggatgaacat   600
38 tcctgtccac tggaattttc aagctatgga taccctaaaa atgaaattga gtataagtgg   660
39 aaaaagccct ccgtagaagt ggctgatcct aaatactgga gattatatca gtttgcattt   720
40 gtagggttac ggaactcaac tgaaatcact cacacgatct cwggggatta kgttatcatg   780
41 acaatttttt ttgacctgag cagaagaatg ggatatttca ctattcagac ctacattcca   840
42 tgcattctga cagttgttct ttcttgggtg tcttttttgga tcaataaaga tgcagtgcct   900
43 gcaagaacat cgttgggtat cactacagtt ctgactatga caaccctgag tacaattgcc   960
44 aggaagtctt tacctaaggt ttcttatgtg actgcgatgg atctctttgt ttctgtttgt  1020
45 ttcattttttg ttttttgcagc cttgatggaa tatggaacct tgcattattt taccagcaac  1080
46 caaaaaggaa agactgctac taaagacaga aagctaaaaa ataaagcctc gatgactcct  1140
47 ggtctccatc ctggatccac tctgattcca atgaataata tttctgtgcc gcaagaagat  1200
48 gattatgggt atcagtgttt ggagggcaaa gattgtgcca gcttcttctg ttgctttgaa  1260
49 gactgcagaa caggatcttg gagggaagga aggatacaca tacgcattgc caaaattgac  1320
50 tcttattcta gaatattttt cccaaccgct tttgccctgt tcaacttggt ttattgggtt  1380
51 ggctatcttt acttataa                                                1398
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 465
55 <212> TYPE: PRT
56 <213> ORGANISM: homo sapiens
58 <400> SEQUENCE: 2
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PATENT APPLICATION:  US/09/893,321      TIME: 14:12:00

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Output Set: N:\CRF3\07152001\I893321.raw

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60  1               5                   10              15
61 Gln Ser Arg Gly Val Arg Leu Val Phe Leu Leu Leu Thr Leu His Leu
62          20                  25                  30
63 Gly Asn Cys Val Asp Lys Ala Asp Asp Glu Asp Asp Glu Asp Leu Thr
64          35                  40                  45
65 Val Asn Lys Thr Trp Val Leu Ala Pro Lys Ile His Glu Gly Asp Ile
66      50                  55                  60
67 Thr Gln Ile Leu Asn Ser Leu Leu Gln Gly Tyr Asp Asn Lys Leu Arg
68 65                  70                  75                  80
69 Pro Asp Ile Gly Val Arg Pro Thr Val Ile Glu Thr Asp Val Tyr Val
70                  85                  90                  95
71 Asn Ser Ile Gly Pro Val Asp Pro Ile Asn Met Glu Tyr Thr Ile Asp
72              100                 105                 110
73 Ile Ile Phe Ala Gln Thr Trp Phe Asp Ser Arg Leu Lys Phe Asn Ser
74          115                 120                 125
75 Thr Met Lys Val Leu Met Leu Asn Ser Asn Met Val Gly Lys Ile Trp
76      130                 135                 140
77 Ile Pro Asp Thr Phe Phe Arg Asn Ser Arg Lys Ser Asp Ala His Trp
78 145                 150                 155                 160
79 Ile Thr Thr Pro Asn Arg Leu Leu Arg Ile Trp Asn Asp Gly Arg Val
80              165                 170                 175
81 Leu Tyr Thr Leu Arg Leu Thr Ile Asn Ala Glu Cys Tyr Leu Gln Leu
82          180                 185                 190
83 His Asn Phe Pro Met Asp Glu His Ser Cys Pro Leu Glu Phe Ser Ser
84          195                 200                 205
85 Tyr Gly Tyr Pro Lys Asn Glu Ile Glu Tyr Lys Trp Lys Lys Pro Ser
86      210                 215                 220
87 Val Glu Val Ala Asp Pro Lys Tyr Trp Arg Leu Tyr Gln Phe Ala Phe
88 225                 230                 235                 240
89 Val Gly Leu Arg Asn Ser Thr Glu Ile Thr His Thr Ile Ser Gly Asp
90              245                 250                 255
91 Tyr Val Ile Met Thr Ile Phe Phe Asp Leu Ser Arg Arg Met Gly Tyr
92              260                 265                 270
93 Phe Thr Ile Gln Thr Tyr Ile Pro Cys Ile Leu Thr Val Val Leu Ser
94      275                 280                 285
95 Trp Val Ser Phe Trp Ile Asn Lys Asp Ala Val Pro Ala Arg Thr Ser
96      290                 295                 300
97 Leu Gly Ile Thr Thr Val Leu Thr Met Thr Thr Leu Ser Thr Ile Ala
98 305                 310                 315                 320
99 Arg Lys Ser Leu Pro Lys Val Ser Tyr Val Thr.Ala Met Asp Leu Phe
100             325                 330                 335
101 Val Ser Val Cys Phe Ile Phe Val Phe Ala Ala Leu Met Glu Tyr Gly
102             340                 345                 350
103 Thr Leu His Tyr Phe Thr Ser Asn Gln Lys Gly Lys Thr Ala Thr Lys
104         355                 360                 365
105 Asp Arg Lys Leu Lys Asn Lys Ala Ser Met Thr Pro Gly Leu His Pro
106     370                 375                 380
107 Gly Ser Thr Leu Ile Pro Met Asn Asn Ile Ser Val Pro Gln Glu Asp
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Input Set : **A:\LEX-0195-USA SEQLIST.txt**
Output Set: **N:\CRF3\07152001\I893321.raw**

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108 385                 390                 395                 400
109 Asp Tyr Gly Tyr Gln Cys Leu Glu Gly Lys Asp Cys Ala Ser Phe Phe
110                     405                 410                 415
111 Cys Cys Phe Glu Asp Cys Arg Thr Gly Ser Trp Arg Glu Gly Arg Ile
112                     420                 425                 430
113 His Ile Arg Ile Ala Lys Ile Asp Ser Tyr Ser Arg Ile Phe Phe Pro
114             435                 440                 445
115 Thr Ala Phe Ala Leu Phe Asn Leu Val Tyr Trp Val Gly Tyr Leu Tyr
116     450                 455                 460
117 Leu
118 465
120 <210> SEQ ID NO: 3
121 <211> LENGTH: 771
122 <212> TYPE: DNA
123 <213> ORGANISM: homo sapiens
125 <400> SEQUENCE: 3
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127 gtgaggttgg tcttcttgtt actgaccctg catttgggaa actgtgttga taaggcagat     120
128 gatgaagatg atgaggattt aacggtgaac aaaacctggg tcttggcccc aaaaattcat     180
129 gaaggagata tcacacaaat tctgaattca ttgcttcaag gctatgacaa taaacttcgt     240
130 ccagatatag gagtgaggcc cacagtaatt gaaactgatg tttatgtaaa cagcattgga     300
131 ccagttgatc caattaatat ggaatataca atagatataa tttttgccca aacctggttt     360
132 gacagtcgtt taaaattcaa tagtaccatg aaagtgctta tgcttaacag taatatggtt     420
133 ggaaaaattt ggattcctga cactttcttc agaaactcaa gaaaatctga tgctcactgg     480
134 ataacaactc ctaatcgtct gcttcgaatt tggaatgatg gacgagttct gtatactcta     540
135 agattgacaa ttaatgcaga atgttatctt cagcttcata actttcccat ggatgaacat     600
136 tcctgtccac tggaattttc aagctatgga taccctaaaa atgaaattga gtataagtgg     660
137 aaaaagccct ccgtagaagt ggctgatcct aaatactgga gattatatca gtttgcattt     720
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141 <211> LENGTH: 256
142 <212> TYPE: PRT
143 <213> ORGANISM: homo sapiens
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148 Gln Ser Arg Gly Val Arg Leu Val Phe Leu Leu Leu Thr Leu His Leu
149                 20                  25                  30
150 Gly Asn Cys Val Asp Lys Ala Asp Asp Glu Asp Asp Glu Asp Leu Thr
151             35                  40                  45
152 Val Asn Lys Thr Trp Val Leu Ala Pro Lys Ile His Glu Gly Asp Ile
153     50                  55                  60
154 Thr Gln Ile Leu Asn Ser Leu Leu Gln Gly Tyr Asp Asn Lys Leu Arg
155 65                  70                  75                  80
156 Pro Asp Ile Gly Val Arg Pro Thr Val Ile Glu Thr Asp Val Tyr Val
157                 85                  90                  95
158 Asn Ser Ile Gly Pro Val Asp Pro Ile Asn Met Glu Tyr Thr Ile Asp
159                 100                 105                 110
160 Ile Ile Phe Ala Gln Thr Trp Phe Asp Ser Arg Leu Lys Phe Asn Ser
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161          115               120               125
162 Thr Met Lys Val Leu Met Leu Asn Ser Asn Met Val Gly Lys Ile Trp
163       130               135               140
164 Ile Pro Asp Thr Phe Phe Arg Asn Ser Arg Lys Ser Asp Ala His Trp
165 145               150               155               160
166 Ile Thr Thr Pro Asn Arg Leu Leu Arg Ile Trp Asn Asp Gly Arg Val
167               165               170               175
168 Leu Tyr Thr Leu Arg Leu Thr Ile Asn Ala Glu Cys Tyr Leu Gln Leu
169               180               185               190
170 His Asn Phe Pro Met Asp Glu His Ser Cys Pro Leu Glu Phe Ser Ser
171          195               200               205
172 Tyr Gly Tyr Pro Lys Asn Glu Ile Glu Tyr Lys Trp Lys Lys Pro Ser
173       210               215               220
174 Val Glu Val Ala Asp Pro Lys Tyr Trp Arg Leu Tyr Gln Phe Ala Phe
175 225               230               235               240
176 Val Gly Leu Arg Asn Ser Thr Glu Ile Thr His Thr Ile Ser Gly Asp
177               245               250               255
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180 <211> LENGTH: 1568
181 <212> TYPE: DNA
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184 <400> SEQUENCE: 5
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187 ggtcctttga aagcttttct cttctcccct tttcttctgc ggagtcaaag tagaggggtg    180
188 aggttggtct tcttgttact gaccctgcat ttgggaaact gtgttgataa ggcagatgat    240
189 gaagatgatg aggatttaac ggtgaacaaa acctgggtct tggccccaaa aattcatgaa    300
190 ggagatatca cacaaattct gaattcattg cttcaaggct atgacaataa acttcgtcca    360
191 gatataggag tgaggcccac rgtaattgaa actgatgttt atgtaaacag cattggacca    420
192 gttgatccaa ttaatatgga atatacaata gatataattt ttgcccaaac ctggtttgac    480
193 agtcgtttaa aattcaatag taccatgaaa gtgcttatgc ttaacagtaa tatggttgga    540
194 aaaatttgga ttcctgacac tttcttcaga aactcaagaa aatctgatgc tcactggata    600
195 acaactccta atcgtctgct tcgaatttgg aatgatggac gagttctgta tactctaaga    660
196 ttgacaatta atgcagaatg ttatcttcag cttcataact ttcccatgga tgaacattcc    720
197 tgtccactgg aattttcaag ctatggatac cctaaaaatg aaattgagta taagtggaaa    780
198 aagccctccg tagaagtggc tgatcctaaa tactggagat tatatcagtt tgcatttgta    840
199 gggttacgga actcaactga aatcactcac acgatctcwg gggattakgt tatcatgaca    900
200 atttttttg acctgagcag aagaatggga tatttcacta ttcagaccta cattccatgc    960
201 attctgacag ttgttctttc ttgggtgtct ttttggatca ataaagatgc agtgcctgca   1020
202 agaacatcgt tgggtatcac tacagttctg actatgacaa ccctgagtac aattgccagg   1080
203 aagtctttac ctaaggtttc ttatgtgact gcgatggatc tctttgtttc tgtttgtttc   1140
204 atttttgttt ttgcagcctt gatggaatat ggaaccttgc attattttac cagcaaccaa   1200
205 aaaggaaaga ctgctactaa agacagaaag ctaaaaaata aagcctcgat gactcctggt   1260
206 ctccatcctg gatccactct gattccaatg aataatattt ctgtgccgca agaagatgat   1320
207 tatgggtatc agtgtttgga gggcaaagat tgtgccagct tcttctgttg ctttgaagac   1380
208 tgcagaacag gatcttggag ggaaggaagg atacacatac gcattgccaa aattgactct   1440
209 tattctagaa tatttttccc aaccgctttt gccctgttca acttggttta ttgggttggc   1500
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211 tcaagtag                                                           1568
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**VERIFICATION SUMMARY**                    DATE: 07/16/2001
PATENT APPLICATION:   **US/09/893,321**          TIME: 14:12:01

Input Set : **A:\LEX-0195-USA SEQLIST.txt**
Output Set: **N:\CRF3\07152001\I893321.raw**

L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date